

Product datasheet for **SC314922**

MLX interacting protein (MLXIP) (NM_014938) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLX interacting protein (MLXIP) (NM_014938) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLX interacting protein
Synonyms:	bHLHe36; MIR; MONDOA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_014938 edited
 ATGGCCGCGACGCTTTCATGTGCTCCCGCGCCGGCCTCGCAGCCGGGGCCGACAGGTG
 CTGCTCAAGCCCCAGGTGTCCGAGGACGACGACACTCGGACACGGATGAGCCGTCCCCG
 CCGCCCCGCTCCGGCGCGGCCACCCCGCCCGGGCCACGCGAGCGCCGCGCCACCGCCG
 CCTCGGGCCGGCCGGCCGCGAGGAACCTCCGCGCCGCCAGCAGATCATCCACAGCGGC
 CACTTCATGGTGTCTGTCGCCACCCGAGAGCACCAGCCCAAGAAGGGCTACGATTTTCGAC
 ACGGTCAACAAACAGACGTGCCAGACCTACAGTTCGGCAAGACTAGCTCCTGCCACCTG
 TCCATCGACGCTCGCTACCAAGCTCTTCGAGTGCATGACTTTGGCCTACAGTGGGAAG
 TTGGTGTCTCAAAGTGGAAATTTCAAGGGCCTGAAGCTACAGTGGAGAGACAAGATC
 CGGCTCAATAATGCCATCTGGCGGGCCTGGTACATGCAGTATCTGGAGAAGCGCAAGAAT
 CCTGTGTGCCACTTTGTGACACCCTGGACGGCTCTGTGGACGTAGACGAGCACCGCCGG
 CCGGAGGCCATCACACGGAAGGAAAGTACTGGAAGAGCCGCATCGAGATTGTGATCCGG
 GAGTATCACAAGTGGAGAACCTACTTCAAGAAAAGGCTACAGCAGCACAAGGATGAGGAC
 CTCTCCAGCCTGGTCCAGGACGATGACATGCTGTATTGGCACAAGCACGGGGATGGATGG
 AAGACCCCGTCCCCTGGAGGAGGATCCC : CT : G : CTGGACACAGACATGCTCATGTGCG
 GAATTCAGCGACACCCTTCTCCACACTTTCTTACACCAGCCGGTGGCCTGGCCCAAT
 CCCCAGGAAATAGCACATCTGGGAAATGCAGACATGATCCAGCCGGGACTGATTCCTTTG
 CAGCTAACCTGGACTTCATGGACACCTTTGAGCCTTTCCAGGACCTTCTCTTCTAGC
 CGCTCCATTTTTGGTCCATGCTACCTGCATCTGCCTCAGCACCTGTACCAGATCCCAAC
 AACCCACTGCACAGGAGAGCATCTGCCGACCACAGCCCTCCCCACTGTGAGCCTTCT
 GACAGCCTCATCGCGCCCCCTACCGCCCCATCCCTGGCTCACATGGATGGCAGGGCTGT
 GAACACACCTCCCGGACTGAGGACCCGTTTATCCAGCCCACGGACTTCGGTCCCTCAGAG
 CCGCCACTGAGTGTCCCGCAGCCCTTCTCCCTGTCTTACCATGCCCTGCTGTCTCCC
 AGCCCCGCCCCACCGCCCATCTCCCCGTGTACCATTAGTTCCCTCCTCCTGCCACTGCC
 CTGAACCCCCCGCTCCACCCACCTTCCATCAGCCACAGAAGTTTGTGGAGTCAACAAA
 GCGCCGTCTGTATCACCCACACGGCCTCTGCCACCCTCACCCACGATGCCCCCGCCACC
 ACCTTTAGCCAGAGTCAGGGCCTTGTGATCACCCCATCACCCCTGCCCCGTGAGCGGCC
 CCTTGTGGGTGGCACTGTCTCCTGTACCCGGCCTCCCAGCCACGGTTAACTTTTGTG
 CACCCCAAACCTGTATCCTTGTGAGTGGGGCAGGCCTAAGCAGCCCCACAAAATAGTGCT
 GCTCCCAAACAGAGCCCGTGTCTTGGTGTGAAGAATGCCCGTATCGCCCAGCTGCC
 TTTTCAGGCCAACCAAGCGGTGATCATGACGTGAGGGCCTCTGAAGAGAGAAGGGATG
 TTGGCCTCCACCGTGTCCAGTCCAACGTGGTCAATTGCGCCTGCTGCCATCGCCAGGGCT
 CCTGGGGTCCCGAGTTCACAGCAGCATCCTGGTGCAGATCTCGGCCATGGCAGCAGC
 AGCCCCGCTGCCCCGCTCTCCGGCTCTTCCCAAGCACAGCGCAAGACCCCTGGGGAAG
 GGGCAGCAGGTCCCGTGCATGGGGCAGCCCCAGGTCACTGTACAGGGCCAGTCCGG
 GACTGCCCAAACCTCAGGGCAGGCCTCTCCGTGTGCATCGGAGCAGAGCCCCAGTCCCAA
 TCTCCCAAGAACAACCTGCTCAGGGAATCCGACCCAAAAATGTGGTGCCTAAAGAAC
 CGGCAGATGAAGCACATCTCAGTGCAGAGAAAAGGCGCTTCAACATCAAGATGTGCTTC
 GACATGCTCAACAGCCTCATCTCAACAATTCCAAGCTGACCAGTACGCCATCACACTG
 CAGAAGACTGTGGAGTACATCACCAAGCTGCAGCAGGAGAGAGGCCAGATGCAGGAGGAG
 GCCCGGGGCTGCGGGAGGAGATCGAGGAGCTCAATGCCACCATCATCTCCTGCCAGCAG
 CTGCTCCCTGCCACGGGAGTCCCGTTACCCGGCGCCAGTTTGATCACATGAAAGACATG
 TTTGACGAATACGTGAAAACCCGGACCTTGAGAAATTGGAAGTTCTGGATTTTCAGCATC
 ATCATCAAGCCGCTGTTTGTGCTGTTCAAGGGCATGGTGTCCACCAGCAGCCTGGAGGAG
 CTGACCCGGACGGCGCTCTCCTGGCTGGACCAGCACTGCTCCCTGCCATCCTCAGGCCG
 ATGGTATTGAGCAGCTGCGGCAGCTGAGCACCTCCACCTCCATCCTCACAGACCCGGCA
 CAGCTGCCAGAGCAGGCTCCAAGGCTGTACCAGGATTGGCAAGAGATTGGGAGAGTCC
 TAG

Restriction Sites: Please inquire

ACCN: NM_014938

Insert Size:	5000 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_014938.2 , NP_055753.2
RefSeq Size:	2760 bp
RefSeq ORF:	2760 bp
Locus ID:	22877
UniProt ID:	Q9HAP2
Cytogenetics:	12q24.31
Domains:	HLH
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein that functions as part of a heterodimer to activate transcription. The encoded protein forms a heterodimer with Max-like protein X (MLX) and is involved in the regulation of genes in response to cellular glucose levels. [provided by RefSeq, Mar 2014]